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| APPLICATION NO.  | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO.       | CONFIRMATION NO.       |
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| 10/661,621   | 09/15/2003  | Kazuma Aoki          | 117175                    | 7923                   |
| 25944 7590 01/10/2008<br>OLIFF & BERRIDGE, PLC<br>P.O. BOX 320850<br>ALEXANDRIA, VA 22320-4850 |             |                      | EXAMINER<br>MILIA, MARK R |                        |
|  |             |                      | ART UNIT<br>2625          | PAPER NUMBER           |
|  |             |                      | MAIL DATE<br>01/10/2008   | DELIVERY MODE<br>PAPER |

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

**Office Action Summary**

Application No.

10/661,621

Applicant(s)

AOKI ET AL.

Examiner

Mark R. Milia

Art Unit

2625

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 25 October 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-21,30,31,33 and 34 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-21,30 and 31 is/are rejected.
- 7) ☒ Claim(s) 33 and 34 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 25 October 2007 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                     | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

## **DETAILED ACTION**

### ***Response to Amendment***

1. Applicant's amendment was received on 10/25/07 and has been entered and made of record. Currently, claims 1-21, 30-31, and 33-34 are pending.

### ***Drawings***

2. Applicant's amendment to Fig. 6A has overcome the objection set forth in the previous Office Action. Therefore the objection has been withdrawn.

### ***Specification***

3. Applicant's amendment to the specification has overcome the objection set forth in the previous Office Action. Therefore the objection has been withdrawn.

### ***Claim Rejections - 35 USC § 101***

4. Applicant's amendment to claims 30-31 and cancellation of claim 32 has overcome the rejection set forth in the previous Office Action. Therefore the rejection has been withdrawn.

***Response to Arguments***

5. Applicant's arguments, see pages 13-15, filed 10/25/07, with respect to the rejection(s) of claim(s) 1, 17, 30, and 31 under 35 U.S.C. 102(e) have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of previously cited but unapplied prior art.

***Claim Rejections - 35 USC § 103***

6. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

7. Claims 1-3, 6-9, 11, 16-18, 21, and 27-31 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lopez (US 7,142,318) in view of U.S. Patent Application Publication No. 2002/0114002 to Mitsubori et al.

Regarding claims 1 and 30, Lopez discloses a communication system and program used in a state where the communication system is connected to a network, comprising: an access unit configured to access a Web page through the network (see column 3 lines 40-65 and column 4 lines 20-30), a data extraction unit configured to extract access data from the Web page accessed by the access unit in order to use the access data for accessing access destination pages accessible through the Web page

(see column 4 lines 38-62, column 6 line 52-column 7 line 36, and column 10 line 28-column 11 line 33), a printing unit configured to print images from the Web page accessed by the access unit, together with an entry column (user-designation area **54**) and a specific code (identity marker **60**), on a printing medium, the entry column being provided for making a user to enter a command content for requesting a process for the access data extracted by the data extraction unit, the specific code being provided for specifying correspondence of the entry column to the access data (see column 4 line 63-column 5 line 7 and column 11 lines 26-46), a reading unit configured to read the command content entered in the entry column of the printing medium and the specific code from the printing medium printed by the printing unit (see column 5 lines 8-14, column 6 lines 21-30, and column 11 lines 26-46), a data specifying unit configured to specify the access data corresponding to the entry column having the command content read by the reading unit, on the basis of the specific code read together with the command content (see column 5 lines 15-35 and column 11 lines 26-46), and a process execution unit configured to execute a process corresponding to the command content read by the reading unit, for the access data specified by the data specifying unit (see column 5 lines 15-35 and column 11 lines 26-46).

Lopez does not disclose expressly a printing unit configured to print the Web page accessed by the access unit.

Mitsubori discloses a printing unit configured to print the Web page accessed by the access unit (see Figs. 1-4 and paragraphs 99, 102, and 105-115).

Regarding claims 17 and 31, Lopez discloses a communication terminal and program used in a state where the communication terminal is connected to a network, comprising: an access unit configured to access a Web page through the network (see column 3 lines 40-65 and column 4 lines 20-30), a data extraction unit configured to extract access data from the Web page accessed by the access unit in order to use the access data for accessing access destination pages accessible through the Web page (see column 4 lines 38-62, column 6 line 52-column 7 line 36, and column 10 line 28-column 11 line 33), and a printing unit configured to print images from the Web page accessed by the access unit, together with an entry column and a specific code, on a printing medium, the entry column being provided for making a user to enter a command content for requesting a process for the access data extracted by the data extraction unit, the specific code being provided for specifying correspondence of the entry column to the access data (see column 4 line 63-column 5 line 7 and column 11 lines 26-46).

Lopez does not disclose expressly a printing unit configured to print the Web page accessed by the access unit.

Mitsubori discloses a printing unit configured to print the Web page accessed by the access unit (see Figs. 1-4 and paragraphs 99, 102, and 105-115).

Lopez & Mitsubori are combinable because they are from the same field of endeavor, accessing web pages via a scanning process and subsequently printing the accessed webpage images.

At the time of the invention, it would have been obvious to a person of ordinary skill in the art to print the entire accessed web page, as described by Mitsubori, with the system of Lopez.

The suggestion/motivation for doing so would have been to provide a user with the entire web page to allow for easy user interaction and selection of images and therefore increase overall efficiency.

Therefore, it would have been obvious to combine Mitsubori with Lopez to obtain the invention as specified in claims 1, 17, 30, and 31.

Regarding claim 2, Lopez further discloses wherein when the command content read by the reading unit includes a request to print the access destination page, the process execution unit instructs the access unit to access the access destination page on the basis of the access data and instructs the printing unit to print the access destination page accessed by the access unit (see column 5 lines 15-35).

Regarding claim 3, Lopez further discloses wherein when the command content read by the reading unit includes a request to print a specific region of the access destination page, the process execution unit instructs the access unit to access the access destination page on the basis of the access data and instructs the printing unit to print the specific region of the access destination page accessed by the access unit (see column 4 lines 38-62 and column 5 lines 15-35).

Regarding claim 6, Lopez further discloses wherein the printing unit prints the entry column in which the process requested by the command content is decided

according to respective entry positions of the entry column (see column 4 line 38-column 5 line 7 and column 11 lines 26-46), the reading unit reads the entry position of the command content in the entry column together with the specific code from the printing medium printed by the printing unit (see column 5 lines 15-35), and the process execution unit executes processes corresponding to the entry position read by the reading unit, for the access data specified by the data specifying unit (see column 5 lines 15-35).

Regarding claim 7, Lopez further discloses wherein the printing unit prints the entry column for making the user to selectively enter the command content from a plurality of command contents (see column 4 line 38-column 5 line 7 and column 11 lines 26-46).

Regarding claim 8, Lopez further discloses wherein the entry column comprises a plurality of individual entry columns in which the process requested by the command content is decided according to respective entry positions of the individual entry columns (see column 4 line 38-column 5 line 7 and column 11 lines 26-46).

Regarding claim 9, Lopez further discloses wherein the printing unit configures at least two printing areas on the printing medium, prints the image of the Web page accessed by the access unit to one printing area and prints the entry column and the specific code to the other printing area (see column 4 line 38-column 5 line 7 and column 11 lines 26-46).

Regarding claim 11, Lopez further discloses wherein the printing unit prints character strings indicating the access data extracted by the data extraction unit, as the



specific code (see column 7 lines 14-21) and when the specific code read together with the command content by the reading unit is the character string indicating the access data, the data specifying unit specifies the access data indicated by the character string, as the access data corresponding to each entry column having the command content read (see column 5 lines 8-35, column 6 lines 21-30, column 7 lines 14-21, and column 11 lines 26-46).

Regarding claim 16, Lopez further discloses wherein the printing unit prints the access data of the Web page accessed by the access unit and a third specific code indicating that the access data corresponding to the entry column can be extracted from a specific region of the Web page accessed by the access unit, as the specific code (see column 7 lines 14-21) and when the specific code read together with the command content by the reading unit includes the third specific code, the data specifying unit instructs the access unit to access the Web page based on the access data indicated by the third specific code, instructs the data extraction unit to extract access data from the specific region of the Web page accessed by the access unit and specifies the access data extracted by the data extraction unit as the access data corresponding to the entry column having the command content read (see column 5 lines 8-35, column 6 lines 21-30, column 7 lines 14-21, and column 11 lines 26-46).

Regarding claim 18, Lopez further discloses wherein the printing unit prints character strings indicating the access data extracted by the data extraction unit, as the specific code (see column 7 lines 14-21).

Regarding claim 21, Lopez further discloses wherein the printing unit prints a third specific code indicating that the access data of the Web page accessed by the access unit and the access data corresponding to the entry column can be extracted from a specific region of the Web page accessed by the access unit, as the specific code (see column 5 lines 8-35, column 6 lines 21-30, column 7 lines 14-21, and column 11 lines 26-46).

8. Claims 4-5, 12-15, and 19-20, are rejected under 35 U.S.C. 103(a) as being unpatentable over Lopez and Mitsubori as applied to claims 1 and 17 above, and further in view of U.S. Patent No. 6,029,182 to Nehab et al.

Regarding claim 4, Lopez discloses a data recording unit configured to record various pieces of data (see column 7 lines 31-35, reference discloses the storing of proof sheets in an archive **126** for later access).

Lopez and Mitsubori do not disclose expressly wherein when the command content read by the reading unit includes a request to record the access data, the process execution unit instructs the data recording unit to record the access data.

Nehab discloses a data recording unit configured to record various pieces of data, wherein when the command content read by the reading unit includes a request to record the access data, the process execution unit instructs the data recording unit to record the access data (see column 12 lines 5-36 and column 13 lines 56-65).

Regarding claim 5, Lopez discloses a data recording unit configured to record various pieces of data (see column 7 lines 31-35, reference discloses the storing of proof sheets in an archive **126** for later access).

Lopez and Mitsubori do not disclose expressly wherein when the command content read by the reading unit includes a request to record the access destination page as data, the process execution unit instructs the access unit to access the access destination page on the basis of the access data and instructs the data recording unit to record the access destination page accessed by the access unit as data.

Nehab discloses a data recording unit configured to record various pieces of data, wherein when the command content read by the reading unit includes a request to record the access destination page as data, the process execution unit instructs the access unit to access the access destination page on the basis of the access data and instructs the data recording unit to record the access destination page accessed by the access unit as data (see column 12 lines 5-36 and column 13 lines 56-65).

Regarding claim 12, Lopez discloses a data recording unit configured to record various pieces of data (see column 7 lines 31-35, reference discloses the storing of proof sheets in an archive **126** for later access), the printing unit prints a first specific code indicating that the access data corresponding to the entry column can be specified on the basis of the access data recorded by the data recording unit, as the specific code (see column 7 lines 14-21), and when the specific code read together with the command content by the reading unit includes the first specific code, the data specifying unit specifies the access data corresponding to the entry column on the basis of the

associative data recorded by the data recording unit (see column 4 lines 38-62, column 5 lines 8-35, column 6 lines 21-30, column 7 lines 14-21, and column 11 lines 26-46).

Lopez and Mitsubori do not disclose expressly an associative record instruction unit configured to instruct the data recording unit to record associative data indicating correspondence of the access data extracted by the data extraction unit to the entry column printed by the printing unit.

Nehab discloses a data recording unit configured to record various pieces of data (see column 12 line 65-column 13 line 12), an associative record instruction unit configured to instruct the data recording unit to record associative data indicating correspondence of the access data extracted by the data extraction unit to the entry column printed by the printing unit (see Fig. 9B and column 12 line 65-column 13 line 12), and the printing unit prints a first specific code indicating that the access data corresponding to the entry column can be specified on the basis of the associative data recorded by the data recording unit, as the specific code (see Fig. 9B and column 15 lines 28-35).

Regarding claim 13, Lopez discloses the printing unit prints the first specific code indicating that the access data corresponding to the entry column can be specified (see column 7 lines 14-21) and when the specific code read together with the command content by the reading unit includes the first specific code, the data specifying unit specifies the access data corresponding to the entry column on the basis of the specific associative data in the plurality of associative data recorded by the data recording unit

(see column 4 lines 38-62, column 5 lines 8-35, column 6 lines 21-30, column 7 lines 14-21, and column 11 lines 26-46).

Lopez and Mitsubori do not disclose expressly the associative record instruction unit instructs the data recording unit to record a plurality of the associative data different according to Web pages accessed by the access unit and the printing unit prints the first specific code indicating that the access data corresponding to the entry column can be specified on the basis of specific associative data in the plurality of associative data recorded by the data recording unit.

Nehab discloses the associative record instruction unit instructs the data recording unit to record a plurality of the associative data different according to Web pages accessed by the access unit (see Fig. 9B, column 12 line 65-column 13 line 12, and column 15 lines 28-35) and the printing unit prints the first specific code indicating that the access data corresponding to the entry column can be specified on the basis of specific associative data in the plurality of associative data recorded by the data recording unit (see Fig. 9B and column 15 lines 28-35).

Regarding claim 14, Lopez discloses a data recording unit configured to record various pieces of data (see column 7 lines 31-35, reference discloses the storing of proof sheets in an archive **126** for later access), the printing unit prints a second specific code indicating that the access data corresponding to the entry column can be extracted from a specific region of the Web page accessible on the basis of the access data recorded by the data recording unit, as the specific code (see column 7 lines 14-21), and when the specific code read together with the command content by the reading unit

includes the second specific code, the data specifying unit instructs the access unit to access the Web page based on the access data recorded by the data recording unit, instructs the data extraction unit to extract access data from the specific region of the Web page accessed by the access unit and specifies the access data extracted by the data extraction unit as the access data corresponding to the entry column having the command content read (see column 4 lines 38-62, column 5 lines 8-35, column 6 lines 21-30, column 7 lines 14-21, and column 11 lines 26-46).

Lopez and Mitsubori do not disclose expressly an access record instruction unit configured to instruct the data recording unit to record the access data of the Web page accessed by the access unit.

Nehab discloses a data recording unit configured to record various pieces of data (see column 12 line 65-column 13 line 12) and an access record instruction unit configured to instruct the data recording unit to record the access data of the Web page accessed by the access unit (see Fig. 9B and column 12 line 65-column 13 line 12).

Regarding claim 19, Lopez discloses a data recording unit configured to record various pieces of data (see column 7 lines 31-35, reference discloses the storing of proof sheets in an archive **126** for later access), wherein the printing unit prints a second specific code indicating that the access data corresponding to the entry column can be extracted from a specific region of the Web page accessible on the basis of the access data recorded by the data recording unit, as the specific code (see column 7 lines 14-21).

Lopez and Mitsubori do not disclose expressly an access record instruction unit configured to instruct the data recording unit to record the access data of the Web page accessed by the access unit.

Nehab discloses a data recording unit configured to record various pieces of data (see column 12 line 65-column 13 line 12) and an access record instruction unit configured to instruct the data recording unit to record the access data of the Web page accessed by the access unit (see Fig. 9B and column 12 line 65-column 13 line 12).

Lopez, Mitsubori, & Nehab are combinable because they are from the same field of endeavor, printing data located on a web server.

At the time of the invention, it would have been obvious to a person of ordinary skill in the art to combine the recording unit, as described by Nehab, and which is well known and commonly used in the art, with the system of Lopez and Mitsubori.

The suggestion/motivation for doing so would have been to store web page related information that can easily and conveniently be accessed at a later time by a user and subsequently execute printing when a user desires.

Therefore, it would have been obvious to combine Nehab with Lopez and Mitsubori to obtain the invention as specified in claim 4-5, 12-14, 19, and 25-26.

Regarding claim 15, Lopez further discloses wherein the printing unit prints the second specific code indicating that the access data corresponding to the entry column can be extracted from the specific region of the Web page accessible on the basis of the specific access data in the plurality of access data recorded by the data recording

unit (see column 7 lines 14-21) and when the specific code read together with command content by the reading unit includes the second specific code, the data specifying unit specifies the access data extracted by the data extraction unit from the Web page accessed on the basis of the specific access data in the plurality of access data recorded by the data recording unit, as the access data corresponding to the entry column (see column 4 lines 38-62, column 5 lines 8-35, column 6 lines 21-30, column 7 lines 14-21, and column 11 lines 26-46).

Regarding claim 20, Lopez further discloses wherein the printing unit prints the second specific code indicating that the access data corresponding to the entry column can be extracted from a specific region of specific access data in the access data recorded by the data recording unit (see column 5 lines 8-35, column 6 lines 21-30, column 7 lines 14-21, and column 11 lines 26-46).

9. Claim 10 is rejected under 35 U.S.C. 103(a) as being unpatentable over Lopez and Mitsubori as applied to claim 9 above, and further in view of Nehab.

Lopez and Mitsubori do not disclose expressly wherein the printing unit configures the one printing area and the other printing area on an upper part and a lower part of the printing medium, respectively.

Nehab discloses wherein the printing unit configures the one printing area and the other printing area on an upper part and a lower part of the printing medium, respectively (see column 15 lines 35-40).



Lopez, Mitsubori, & Nehab are combinable because they are from the same field of endeavor, printing data located on a web server.

At the time of the invention, it would have been obvious to a person of ordinary skill in the art to combine the printing area configuration, as described by Nehab, which is really just a design choice, further, the ability to create such configurations are well known and used in the art, with the system of Lopez and Mitsubori.

The suggestion/motivation for doing so would have been to provide an aesthetically pleasing and user friendly printouts to allow the user to easily understand and manipulate the entry areas.

Therefore, it would have been obvious to combine Nehab with Lopez and Mitsubori to obtain the invention as specified in claim 10.

### ***Allowable Subject Matter***

10. Claims 33-34 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

### ***Conclusion***

11. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark R. Milia whose telephone number is (571) 272-7408. The examiner can normally be reached M-F 8:00am-4:00pm.

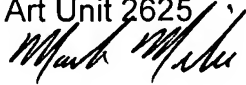
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Twyler M. Haskins can be reached at (571) 272-7406. The fax number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number:  
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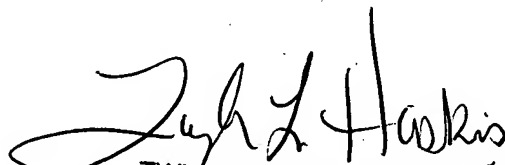
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Mark R. Milia  
Examiner  
Art Unit 2625



MRM



TWYLER LAMB HASKINS  
SUPERVISORY PATENT EXAMINER